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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
Antioncogenic and Oncogenic Properties of Nrf2 in Arsenic-induced Carcinogenesis.	Son, Young-Ok; Pratheeshkumar, Poyil; Roy, Ram Vinod; Hitron, John Andrew; Wang, Lei; Divya, Sasidharan Padmaja; Xu, Mei; Luo, Jia; Chen, Gang; Zhang, Zhuo; Shi, Xianglin	J Biol Chem (2015 Nov 06)	290 / 27090-100	<a href="#">PubMed Citation</a>
Apigenin suppresses migration and invasion of transformed cells through down-regulation of C-X-C che ...	Wang, Lei; Kuang, Lisha; Hitron, John Andrew; Son, Young-Ok; Wang, Xin; Budhraja, Amit; Lee, Jeong-Chae; Pratheeshkumar, Poyil; Chen, Gang; Zhang, Zhuo; Luo, Jia; Shi, Xianglin	Toxicol Appl Pharmacol (2013 Oct 1)	272 / 108-16	<a href="#">PubMed Citation</a>
Cadmium induces autophagy through ROS-dependent activation of the LKB1-AMPK signaling in skin epider ...	Son, Young-Ok; Wang, Xin; Hitron, John Andrew; Zhang, Zhuo; Cheng, Senping; Budhraja, Amit; Ding, Songze; Lee, Jeong-Chae; Shi, Xianglin	Toxicol Appl Pharmacol (2011 Sep 15)	255 / 287-96	<a href="#">PubMed Citation</a>
Cadmium induces carcinogenesis in BEAS-2B cells through ROS-dependent activation of PI3K/AKT/GSK-3*/ ...	Son, Young-Ok; Wang, Lei; Poyil, Pratheeshkumar; Budhraja, Amit; Hitron, J Andrew; Zhang, Zhuo; Lee, Jeong-Chae; Shi, Xianglin	Toxicol Appl Pharmacol (2012 Oct 15)	264 / 153-60	<a href="#">PubMed Citation</a>
Cancer stem cells in the mechanism of metal carcinogenesis.	Wang, Lei; Chen, Fei; Zhang, Zhuo; Chen, Gang; Luo, Jia; Shi, Xianglin	J Environ Pathol Toxicol Oncol (2012)	31 / 245-63	<a href="#">PubMed Citation</a>

Cyanidin-3-glucoside inhibits UVB-induced oxidative damage and inflammation by regulating MAP kinase ...	Pratheeshkumar, Poyil; Son, Young-Ok; Wang, Xin; Divya, Sasidharan Padmaja; Joseph, Binoy; Hitron, John Andrew; Wang, Lei; Kim, Donghern; Yin, Yuanqin; Roy, Ram Vinod; Lu, Jian; Zhang, Zhuo; Wang, Yitao; Shi, Xianglin	Toxicol Appl Pharmacol (2014 Oct 1)	280 / 127-37	PubMed Citat
Epigenetic targets of arsenic: emphasis on epigenetic modifications during carcinogenesis.	Roy, Ram Vinod; Son, Young-Ok; Pratheeshkumar, Poyil; Wang, Lei; Hitron, John Andrew; Divya, Sasidharan Padmaja; D, Rakesh; Kim, Donghern; Yin, Yuanqin; Zhang, Zhuo; Shi, Xianglin	J Environ Pathol Toxicol Oncol (2015)	34 / 63-84	PubMed Citat
Ethanol enhances arsenic-induced cyclooxygenase-2 expression via both NFAT and NF-κB signalings in c ...	Wang, Lei; Hitron, John Andrew; Wise, James T F; Son, Young-Ok; Roy, Ram Vinod; Kim, Donghern; Dai, Jin; Pratheeshkumar, Poyil; Zhang, Zhuo; Xu, Mei; Luo, Jia; Shi, Xianglin	Toxicol Appl Pharmacol (2015 Oct 15)	288 / 232-9	PubMed Citat
Ethanol enhances tumor angiogenesis in vitro induced by low-dose arsenic in colon cancer cells throu ...	Wang, Lei; Son, Young-Ok; Ding, Songze; Wang, Xin; Hitron, John Andrew; Budhraja, Amit; Lee, Jeong-Chae; Lin, Qinchen; Poyil, Pratheeshkumar; Zhang, Zhuo; Luo, Jia; Shi, Xianglin	Toxicol Sci (2012 Dec)	130 / 269-80	PubMed Citat
Luteolin inhibits Cr(VI)-induced malignant cell transformation of human lung epithelial cells by tar ...	Pratheeshkumar, Poyil; Son, Young-Ok; Divya, Sasidharan Padmaja; Roy, Ram Vinod; Hitron, John Andrew; Wang, Lei; Kim, Donghern; Dai, Jin; Asha, Padmaja; Zhang, Zhuo; Wang, Yitao; Shi, Xianglin	Toxicol Appl Pharmacol (2014 Dec 1)	281 / 230-41	PubMed Citat

Luteolin inhibits human prostate tumor growth by suppressing vascular endothelial growth factor rece ...	Pratheeshkumar, Poyil; Son, Young-Ok; Budhraja, Amit; Wang, Xin; Ding, Songze; Wang, Lei; Hitron, Andrew; Lee, Jeong-Chae; Kim, Donghern; Divya, Sasidharan Padmaja; Chen, Gang; Zhang, Zhuo; Luo, Jia; Shi, Xianglin	PLoS One (2012)	7 / e52279	PubMed Citat
Progress and prospects of reactive oxygen species in metal carcinogenesis.	Wang, Lei; Wise, James T F; Zhang, Zhuo; Shi, Xianglin	Curr Pharmacol Rep (2016 Aug)	2 / 178-186	PubMed Citat
Quercetin inhibits angiogenesis mediated human prostate tumor growth by targeting VEGFR- 2 regulated ...	Pratheeshkumar, Poyil; Budhraja, Amit; Son, Young-Ok; Wang, Xin; Zhang, Zhuo; Ding, Songze; Wang, Lei; Hitron, Andrew; Lee, Jeong-Chae; Xu, Mei; Chen, Gang; Luo, Jia; Shi, Xianglin	PLoS One (2012)	7 / e47516	PubMed Citat
Reactive oxygen species mediate Cr(VI)-induced carcinogenesis through PI3K/AKT-dependent activation ...	Son, Young-Ok; Pratheeshkumar, Poyil; Wang, Lei; Wang, Xin; Fan, Jia; Kim, Dong-Hern; Lee, Ju-Yeon; Zhang, Zhuo; Lee, Jeong-Chae; Shi, Xianglin	Toxicol Appl Pharmacol (2013 Sep 1)	271 / 239-48	PubMed Citat
Role of reactive oxygen species in arsenic-induced transformation of human lung bronchial epithelial ...	Zhang, Zhuo; Pratheeshkumar, Poyil; Budhraja, Amit; Son, Young-Ok; Kim, Donghern; Shi, Xianglin	Biochem Biophys Res Commun (2015 Jan 9)	456 / 643-8	PubMed Citat